

L Number	Hits	Search Text	DB	Time stamp
9	13	(US-6657227-\$ or US-6015720-\$ or US-6452341-\$ or US-6703265-\$ or US-6346718-\$ or US-6335541-\$ or US-6294441-\$ or US-6323515-\$ or US-6646637-\$ or US-6486934-\$ or US-6384879-\$ or US-6274888-\$).did. or (US-20040155295-\$).did.	USPAT; US-PGPUB	2005/01/14 13:42
10	10	((US-6657227-\$ or US-6015720-\$ or US-6452341-\$ or US-6703265-\$ or US-6346718-\$ or US-6335541-\$ or US-6294441-\$ or US-6323515-\$ or US-6646637-\$ or US-6486934-\$ or US-6384879-\$ or US-6274888-\$).did. or (US-20040155295-\$).did.) and grain and crystal\$4 and (structure or orientation)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2005/01/14 13:53
11	4	((US-6657227-\$ or US-6015720-\$ or US-6452341-\$ or US-6703265-\$ or US-6346718-\$ or US-6335541-\$ or US-6294441-\$ or US-6323515-\$ or US-6646637-\$ or US-6486934-\$ or US-6384879-\$ or US-6274888-\$).did. or (US-20040155295-\$).did.) and grain and crystal\$4 and (structure or orientation)) and ("same" with orientation)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2005/01/14 13:44
12	2898	grain and crystal\$4 and (structure and orientation) and transistor	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2005/01/14 13:54
13	1255	(grain and crystal\$4 and (structure and orientation) and transistor) and (crystal\$4 adj3 orientation)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2005/01/14 13:55
14	129	((grain and crystal\$4 and (structure and orientation) and transistor) and (crystal\$4 adj3 orientation)) and cluster	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2005/01/14 13:55
15	39	(((((grain and crystal\$4 and (structure and orientation) and transistor) and (crystal\$4 adj3 orientation)) and cluster) not ((US-6657227-\$ or US-6015720-\$ or US-6452341-\$ or US-6703265-\$ or US-6346718-\$ or US-6335541-\$ or US-6294441-\$ or US-6323515-\$ or US-6646637-\$ or US-6486934-\$ or US-6384879-\$ or US-6274888-\$).did. or (US-20040155295-\$).did.)) and ("same" with orientation)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2005/01/14 13:56
16	15	(((((grain and crystal\$4 and (structure and orientation) and transistor) and (crystal\$4 adj3 orientation)) and cluster) not ((US-6657227-\$ or US-6015720-\$ or US-6452341-\$ or US-6703265-\$ or US-6346718-\$ or US-6335541-\$ or US-6294441-\$ or US-6323515-\$ or US-6646637-\$ or US-6486934-\$ or US-6384879-\$ or US-6274888-\$).did. or (US-20040155295-\$).did.)) and ("same" with orientation)) and grain.ab.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2005/01/14 14:37

17	24	((((grain and crystal\$4 and (structure and orientation) and transistor) and (crystal\$4 adj3 orientation)) and cluster) not ((US-6657227-\$ or US-6015720-\$ or US-6452341-\$ or US-6703265-\$ or US-6346718-\$ or US-6335541-\$ or US-6294441-\$ or US-6323515-\$ or US-6646637-\$ or US-6486934-\$ or US-6384879-\$ or US-6274888-\$).did. or (US-20040155295-\$).did.)) and ("same" with orientation)) not (((((grain and crystal\$4 and (structure and orientation) and transistor) and (crystal\$4 adj3 orientation)) and cluster) not ((US-6657227-\$ or US-6015720-\$ or US-6452341-\$ or US-6703265-\$ or US-6346718-\$ or US-6335541-\$ or US-6294441-\$ or US-6323515-\$ or US-6646637-\$ or US-6486934-\$ or US-6384879-\$ or US-6274888-\$).did. or (US-20040155295-\$).did.)) and ("same" with orientation)) and grain.ab.)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2005/01/14 14:37
-	533	ogata-kiyoshi.in.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 10:10
-	56	takahara-yoichi.in.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 10:10
-	114	horikoshi-kazuhiko.in.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 10:10
-	11	yamaguchi-hironaru.in.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 10:10
-	37	ohkura-makoto.in.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 10:10
-	114	abe-hironobu.in.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 10:10
-	9	saitou-masakazu.in.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 10:10
-	185	kimura-yoshinobu.in.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 10:11
-	40	itoga-toshihiko.in.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 10:11
-	35	tamura-takuo.in.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 10:11
-	2	(ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) and ((thin adj film adj transistor) or "TFT") and grain and cluster	USPAT	2004/08/17 10:33

-	2	(((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-voichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) and (grain and cluster).clm.	USPAT	2004/08/17 10:47
-	97	(((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-voichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) not (((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-voichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) and (grain and cluster).clm.)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 10:47
-	13	(((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-voichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) not (((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-voichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) and (grain and cluster).clm.)) and (crystal adj orientation)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 10:48

-	997	ogata-kiyoshi.in. takahara-voichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 14:27
-	2	"6657227"	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 14:27
-	2	"6716688"	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 14:27
-	4	("6150203" "6294441" "6331496" "6444506").PN.	USPAT	2004/08/17 14:27
-	124	((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)	USPAT	2004/08/17 14:28
-	122	((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-voichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" (("6150203" "6294441" "6331496" "6444506").PN.))	USPAT	2004/08/17 14:28
-	99	((((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-voichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" (("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)	USPAT	2004/08/17 15:33
-	13	(((((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-voichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" (("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) and (crystal adj orientation)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 15:34

-	86	<p>(((((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) not ((((((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) and (crystal adj orientation))</p>	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 15:34
-	0	<p>(((((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) not ((((((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) and (crystal adj orientation))) and ("same orientation")</p>	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 15:35
-	119	<p>((thin adj film adj transistor) or "TFT") and (grain and ("same crystal orientation" or "same orientation"))</p>	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 15:36

-	107	(((thin adj film adj transistor) or "TFT") and (grain and ("same crystal orientation" or "same orientation")) not ((ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.) (((((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) and (crystal adj orientation)))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 15:37
-	3	(((thin adj film adj transistor) or "TFT") and (grain and ("same crystal orientation" or "same orientation")) not ((ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.) (((((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) and (crystal adj orientation))) and (display or (liquid near2 display)) and substrate and cluster	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 15:43

-	104	(((thin adj film adj transistor) or "TFT") and (grain and ("same crystal orientation" or "same orientation"))) not ((ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.) (((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) and (crystal adj orientation))) not (((thin adj film adj transistor) or "TFT") and (grain and ("same crystal orientation" or "same orientation"))) not ((ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.) (((thin adj film adj transistor) or "TFT") and (grain and cluster and orientation and crystal and substrate)) not ((ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) "6657227" "6716688" ("6150203" "6294441" "6331496" "6444506").PN.))) and (plurality and electrode and liquid and display)) and (crystal adj orientation))) and (display or (liquid near2 display)) and substrate and cluster)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 15:43
-	4	(((thin adj film adj transistor) or "TFT") and (grain and ("same crystal orientation" or "same orientation"))) and (liquid adj crystal adj display).clm. and (substrate and source and drain and channel).clm.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 15:47
-	1	(ogata-kiyoshi.in. takahara-yoichi.in. horikoshi-kazuhiko.in. yamaguchi-hironaru.in. ohkura-makoto.in. abe-hironobu.in. saitou-masakazu.in. kimura-yoshinobu.in. itoga-toshihiko.in. tamura-takuo.in.) and (liquid adj crystal adj display).clm. and (substrate and source and drain and channel).clm. and ((thin adj film adj transistor) or "TFT")	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 15:48
-	452	(liquid adj crystal adj display).clm. and (substrate and source and drain and channel).clm. and ((thin adj film adj transistor) or "TFT").clm.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 15:49

-	21	((liquid adj crystal adj display).clm. and (substrate and source and drain and channel).clm. and ((thin adj film adj transistor) or "TFT").clm.) and hitachi	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 15:49
-	13	(US-6657227-\$ or US-6015720-\$ or US-6452341-\$ or US-6703265-\$ or US-6346718-\$ or US-6335541-\$ or US-6294441-\$ or US-6323515-\$ or US-6646637-\$ or US-6486934-\$ or US-6384879-\$ or US-6274888-\$).did. or (US-20040155295-\$).did.	USPAT; US-PGPUB	2005/01/14 11:39